

Abstract of the Disclosure  
MAGNETIC HARD DISK SUBSTRATE AND  
METHOD OF PRODUCING SAME

5           A magnetic hard disk substrate is produced by rotating an aluminum substrate or a glass substrate, supplying polishing slurry on its surface, pressing a polishing tape on the surface and running it in a direction opposite to the direction of rotation of the substrate. Texturing marks are formed with a line density greater than 70 lines/ $\mu\text{m}$  in the radial direction on the surface. The polishing slurry has abrading particles dispersed in a  
10 dispersant. The abrading particles may be monocrystalline diamond particles, polycrystalline diamond particles or cluster particles with such monocrystalline and polycrystalline diamond particles with diameters in the range of 1-50nm. Agglomerated particles of such cluster particles that are agglomerated in the dispersant may also be included as the abrading particles.